

**DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS**

**Attorney Docket  
32390-178943**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES (POSITIVE INOTROPIC EFFECTS)**, the specification of which

[ ] is attached hereto.

[X] was filed on **March 6, 2002**, as Application Serial No. **10/070,328**, and was amended on \_\_\_\_\_ [if applicable].

[X] was filed under the Patent Cooperation Treaty on **June 21, 2000**, No. **PCT/US00/17024** the United States of America being designated, and was amended on \_\_\_\_\_ [if applicable].

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) of §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed

I HEREBY CLAIM the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/140,352	June 21, 1999

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Patent Application Number	PCT Patent Application Number	Patent Filing Date	Parent Patent Number

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS


I hereby appoint the registered attorneys and agents of VENABLE associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



VENABLE is located at Suite 1000, 1201 New York Avenue, N.W., Washington, D.C. 20005-3917, Telephone: (202) 962-4800, Telefax: (202) 962-8300. Address all correspondence to VENABLE, Post Office Box 34385, Washington, D.C. 20043-9998.

The undersigned hereby authorizes the registered U.S. attorneys and agents identified herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the registered U.S. attorneys and agents identified herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature:   
First Inventor: **Roberto Takashi SUDO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes, 125 Apt. 702**  
**Copacabana, Rio de Janeiro, RJ, 22030-040 BRAZIL**

Date: 10-03, 2002.

Signature: \_\_\_\_\_  
Second Inventor: **Edson X. ALBUQUERQUE**  
Citizenship: **United States/ Brazil**  
Residence and Post Office Address: **6005 Lakeview Road, Baltimore, MD 21210**

Date: \_\_\_\_\_, 2002.

Signature: \_\_\_\_\_  
Third Inventor: **Eliezer J. DE BARREIRO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Haddock Lobo, N.35, Apt. 603, Tijuca, CEP-20260-290, Rio de Janeiro, BRAZIL**

Date: \_\_\_\_\_, 2002.

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

I hereby appoint the registered attorneys and agents of VENABLE associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



26694

PATENT TRADEMARK OFFICE

VENABLE is located at Suite 1000, 1201 New York Avenue, N.W., Washington, D.C. 20005-3917, Telephone: (202) 962-4800, Telefax: (202) 962-8300. Address all correspondence to VENABLE, Post Office Box 34385, Washington, D.C. 20043-9998.

The undersigned hereby authorizes the registered U.S. attorneys and agents identified herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the registered U.S. attorneys and agents identified herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2002.

First Inventor: **Roberto Takashi SUDO**

Citizenship: **Brazil**

Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes, 125 Apt. 702  
Copacabana, Rio de Janeiro, RJ, 22030-040 BRAZIL**

Signature:  \_\_\_\_\_

Date: Oct. 7, 2002.

300 Second Inventor: **Edson X. ALBUQUERQUE**

Citizenship: **United States/ Brazil**


Residence and Post Office Address: **6005 Lakeview Road, Baltimore, MD 21210 MD**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2002.

300 Third Inventor: **Eliezer J. DE BARREIRO**

Citizenship: **Brazil**

Residence and Post Office Address: **Rua Haddock Lobo, N.35, Apt. 603, Tijuca, CEP-20260-290, Rio de Janeiro, BRAZIL **

Attorney Docket: 32390-178943  
Page 2 of 4**DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS**

I hereby appoint the registered attorneys and agents of VENABLE associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



26694

PATENT TRADEMARK OFFICE

VENABLE is located at Suite 1000, 1201 New York Avenue, N.W., Washington, D.C. 20005-3917, Telephone: (202) 962-4800, Telefax: (202) 962-8300. Address all correspondence to VENABLE, Post Office Box 34385, Washington, D.C. 20043-9988.

The undersigned hereby authorizes the registered U.S. attorneys and agents identified herein to accept and follow instructions from the undersigned's assignee, or any, and/or, its authorized agent or its authorized agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the registered U.S. attorneys and agents identified herein will be so notified by the undersigned.

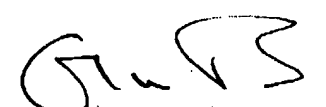
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: \_\_\_\_\_  
First Inventor: Roberto Takashi SUDO  
Citizenship: Brazil  
Residence and Post Office Address: Rua Marechal Mascarenhas de Moraes, 125 Apt. 702  
Copacabana, Rio de Janeiro, RJ, 22030-040 BRAZIL

Date: \_\_\_\_\_, 2002.

Signature: \_\_\_\_\_  
Second Inventor: Edison X. ALBUQUERQUE  
Citizenship: United States/ Brazil  
Residence and Post Office Address: 6005 Lakeview Road, Baltimore, MD 21210

Date: \_\_\_\_\_, 2002.

300  
Signature:  \_\_\_\_\_  
Third Inventor: Edmar J. DE BARREIRO  
Citizenship: Brazil  
Residence and Post Office Address: Rua Haddock Lobo, N.35, Apt. 603, Tijuca, CEP-20260-290, Rio de Janeiro, BRAZIL

Date: Oct. 28, 2002.

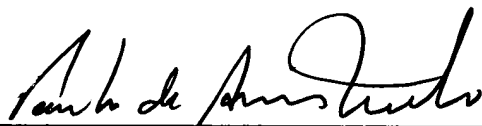
DC2DOCS1403231v1

**BEST AVAILABLE COPY**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fourth Inventor: **Yasco ARACAVA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Av. Pasteur, 214 / Apt. 903, Botafogo, Rio de Janeiro, RJ, 22290-240, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fifth Inventor: **Wagner Monteiro CINTRA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Joao Lyra, 32 / Apt. 305, Leblon, Rio de Janeiro, RJ, 22430-210, BRAZIL**

Signature:  \_\_\_\_\_ Date: October 02, 2002.  
Sixth Inventor: **Paulo De Assis MELO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Cinco de Julho, 375 / Apt. 1002, Icarai, Niteroi, RJ, 24220-110, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Seventh Inventor: **Francois Germain Noel**  
Citizenship: **Belguim**  
Residence and Post Office Address: **Rua Mathias Antonio dos Santos, 354 / Apt. 103, Jardim Guanabara, Ilha do Governador  
Rio de Janeiro, RJ, 21940-380, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eighth Inventor: **Gisele Zapata Sudo**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes 125 / Apt. 702, Copacabana  
Rio de Janeiro, RJ, 22030-040, BRAZIL**


Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Ninth Inventor: **Claudia Lucia Martins Da Silva**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Maranhao, 314 / Apt. 201, Meier, Rio de Janeiro, RJ, 20720-230, BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fourth Inventor: **Yasco ARACAVA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Av. Pasteur, 214 / Apt. 903, Botafogo, Rio de Janeiro, RJ, 22290-240, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fifth Inventor: **Wagner Monteiro CINTRA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Joao Lyra, 32 / Apt. 305, Leblon, Rio de Janeiro, RJ, 22430-210, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Sixth Inventor: **Paulo De Assis MELO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Cinco de Julho, 375 / Apt. 1002, Icarai, Niteroi, RJ, 24220-110, BRAZIL**

Signature:  \_\_\_\_\_ Date: October 3, 2002.  
Seventh Inventor: **Francois Germain Noel**  
Citizenship: **Belguim**  
Residence and Post Office Address: **Rua Mathias Antonio dos Santos, 354 / Apt. 103, Jardim Guanabara, Ilha do Governador  
Rio de Janeiro, RJ, 21940-380, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eighth Inventor: **Gisele Zapata Sudo**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes 125 / Apt. 702, Copacabana  
Rio de Janeiro, RJ, 22030-040, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Ninth Inventor: **Claudia Lucia Martins Da Silva**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Maranhao, 314 / Apt. 201, Meier, Rio de Janeiro, RJ, 20720-230, BRAZIL**

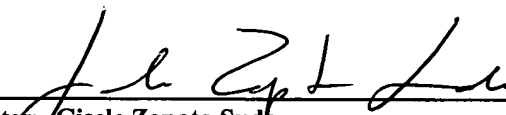
DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fourth Inventor: **Yasco ARACAVA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Av. Pasteur, 214 / Apt. 903, Botafogo, Rio de Janeiro, RJ, 22290-240, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fifth Inventor: **Wagner Monteiro CINTRA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Joao Lyra, 32 / Apt. 305, Leblon, Rio de Janeiro, RJ, 22430-210, BRAZIL**


Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Sixth Inventor: **Paulo De Assis MELO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Cinco de Julho, 375 / Apt. 1002, Icarai, Niteroi, RJ, 24220-110, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Seventh Inventor: **Francois Germain Noel**  
Citizenship: **Belguim**  
Residence and Post Office Address: **Rua Mathias Antonio dos Santos, 354 / Apt. 103, Jardim Guanabara, Ilha do Governador  
Rio de Janeiro, RJ, 21940-380, BRAZIL**

Signature:  \_\_\_\_\_ Date: 10/02, 2002.  
Eighth Inventor: **Gisele Zapata Sudo**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes 125 / Apt. 702, Copacabana  
Rio de Janeiro, RJ, 22030-040, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Ninth Inventor: **Claudia Lucia Martins Da Silva**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Maranhao, 314 / Apt. 201, Meier, Rio de Janeiro, RJ, 20720-230, BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature:  Date: 10/07/02, 2002.  
Fourth Inventor: **Yasco ARACAVAL**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Av. Pasteur, 214 / Apt. 903, Botafogo, Rio de Janeiro, RJ, 22290-240, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fifth Inventor: **Wagner Monteiro CINTRA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Joao Lyra, 32 / Apt. 305, Leblon, Rio de Janeiro, RJ, 22430-210, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Sixth Inventor: **Paulo De Assis MELO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Cinco de Julho, 375 / Apt. 1002, Icarai, Niteroi, RJ, 24220-110, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Seventh Inventor: **Francois Germain Noel**  
Citizenship: **Belguim**  
Residence and Post Office Address: **Rua Mathias Antonio dos Santos, 354 / Apt. 103, Jardim Guanabara, Ilha do Governador  
Rio de Janeiro, RJ, 21940-380, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eighth Inventor: **Gisele Zapata Sudo**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes 125 / Apt. 702, Copacabana  
Rio de Janeiro, RJ, 22030-040, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Ninth Inventor: **Claudia Lucia Martins Da Silva**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Maranhao, 314 / Apt. 201, Meier, Rio de Janeiro, RJ, 20720-230, BRAZIL**



DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fourth Inventor: **Yasco ARACAVA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Av. Pasteur, 214 / Apt. 903, Botafogo, Rio de Janeiro, RJ, 22290-240, BRAZIL**

Signature: Wagner Monteiro CINTRA Date: September 04, 2002.  
Fifth Inventor: **Wagner Monteiro CINTRA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Joao Lyra, 32 / Apt. 305, Leblon, Rio de Janeiro, RJ, 22430-210, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Sixth Inventor: **Paulo De Assis MELO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Cinco de Julho, 375 / Apt. 1002, Icarai, Niteroi, RJ, 24220-110, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Seventh Inventor: **Francois Germain Noel**  
Citizenship: **Belguim**  
Residence and Post Office Address: **Rua Mathias Antonio dos Santos, 354 / Apt. 103, Jardim Guanabara, Ilha do Governador  
Rio de Janeiro, RJ, 21940-380, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eighth Inventor: **Gisele Zapata Sudo**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes 125 / Apt. 702, Copacabana  
Rio de Janeiro, RJ, 22030-040, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Ninth Inventor: **Claudia Lucia Martins Da Silva**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Maranhao, 314 / Apt. 201, Meier, Rio de Janeiro, RJ, 20720-230, BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fourth Inventor: **Yasco ARACAVA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Av. Pasteur, 214 / Apt. 903, Botafogo, Rio de Janeiro, RJ, 22290-240, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Fifth Inventor: **Wagner Monteiro CINTRA**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Joao Lyra, 32 / Apt. 305, Leblon, Rio de Janeiro, RJ, 22430-210, BRAZIL**

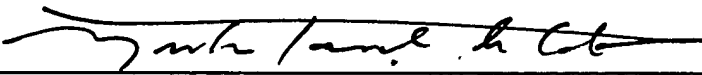
Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Sixth Inventor: **Paulo De Assis MELO**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Cinco de Julho, 375 / Apt. 1002, Icarai, Niteroi, RJ, 24220-110, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Seventh Inventor: **Francois Germain Noel**  
Citizenship: **Belguim**  
Residence and Post Office Address: **Rua Mathias Antonio dos Santos, 354 / Apt. 103, Jardim Guanabara, Ilha do Governador  
Rio de Janeiro, RJ, 21940-380, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eighth Inventor: **Gisele Zapata Sudo**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Marechal Mascarenhas de Moraes 125 / Apt. 702, Copacabana  
Rio de Janeiro, RJ, 22030-040, BRAZIL**

Signature: *Claudia Lucia Martins Da Silva* Date: October 2<sup>nd</sup>, 2002.  
Ninth Inventor: **Claudia Lucia Martins Da Silva**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Maranhao, 314 / Apt. 201, Meier, Rio de Janeiro, RJ, 20720-230, BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature:  Date: OCTOBER 2, 2002.  
Tenth Inventor: **Newton Goncalves de Castro**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Largo dos Leoes, 100 / Apt. 501, Humaita, Rio de Janeiro, RJ, 22260-210 BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eleventh Inventor: **Patricia Dias Fernandes**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Morales de los Rios, 15 / Apt. 401, Tijuca, Rio de Janeiro, RJ, 20540-010, BRAZIL**


Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Twelfth Inventor: **Carlos Alberto Manssour Fraga**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Afonso de Albuquerque, 101 / fundos, Inhauma  
Rio de Janeiro, RJ, 20761-050, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Thirteenth Inventor: **Ana Luisa Palhares De Miranda**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Conde d'Eu, 157, Castelanea, Petropolis, RJ, 25640-340 BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Tenth Inventor: **Newton Goncalves de Castro**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Largo dos Leoes, 100 / Apt. 501, Humaita, Rio de Janeiro, RJ, 22260-210 BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eleventh Inventor: **Patricia Dias Fernandes**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Morales de los Rios, 15 / Apt. 401, Tijuca, Rio de Janeiro, RJ, 20540-010, BRAZIL**

Signature:  \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Twelfth Inventor: **Carlos Alberto Manssour Fraga**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Afonso de Albuquerque, 101 / fundos, Inhauma  
Rio de Janeiro, RJ, 20761-050, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Thirteenth Inventor: **Ana Luisa Palhares De Miranda**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Conde d'Eu, 157, Castelanea, Petropolis, RJ, 25640-340 BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Tenth Inventor: **Newton Goncalves de Castro**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Largo dos Leoes, 100 / Apt. 501, Humaita, Rio de Janeiro, RJ, 22260-210 BRAZIL**

Signature: Patricia Dias Fernandes Date: 10-02, 2002.  
Eleventh Inventor: **Patricia Dias Fernandes**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Morales de los Rios, 15 / Apt. 401, Tijuca, Rio de Janeiro, RJ, 20540-010, BRAZIL**

Signature: \_\_\_\_\_ Date: 10/02/, 2002.  
Twelfth Inventor: **Carlos Alberto Manssour Fraga**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Afonso de Albuquerque, 101 / fundos, Inhauma  
Rio de Janeiro, RJ, 20761-050, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Thirteenth Inventor: **Ana Luisa Palhares De Miranda**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Conde d'Eu, 157, Castelanea, Petropolis, RJ, 25640-340 BRAZIL**

DECLARATION FOR UNITED STATES PATENT APPLICATION  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Tenth Inventor: **Newton Goncalves de Castro**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Largo dos Leoes, 100 / Apt. 501, Humaita, Rio de Janeiro, RJ, 22260-210 BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Eleventh Inventor: **Patricia Dias Fernandes**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Morales de los Rios, 15 / Apt. 401, Tijuca, Rio de Janeiro, RJ, 20540-010, BRAZIL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_, 2002.  
Twelfth Inventor: **Carlos Alberto Manssour Fraga**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Afonso de Albuquerque, 101 / fundos, Inhauma  
Rio de Janeiro, RJ, 20761-050, BRAZIL**

Signature: Ana Luisa Palhares De Miranda Date: 2 October, 2002.  
Thirteenth Inventor: **Ana Luisa Palhares De Miranda**  
Citizenship: **Brazil**  
Residence and Post Office Address: **Rua Conde d'Eu, 157, Castelanea, Petropolis, RJ, 25640-340 BRAZIL**